

SECTION VI TECHNICAL REQUIREMENTS

DEFINITION OF OFFERINGS

The information below provides the user with a description of the service offerings and what is included in the packages:

1. **Basic Live Streaming Video Service Package**

The bidder shall offer a Basic Live Streaming Video Package that shall consist of the following at a minimum:

- Lobby page. The lobby page shall consist at a minimum of:
 - Customer logo
 - Event description
 - URL to a help page
 - Home re-direct URL
 - Player test for Windows Media and Real Media
- Registration page. The registration page shall consist at a minimum of:
 - Customer logo
 - Event description
 - E-mail notification with Outlook calendaring
 - Registration Statistics:
 - Viewer name
 - Viewer organization/Agency/Department
 - Location: address, city and state
 - User group: state or local government, public
 - E-mail address
- Event console. The event console shall be accessible from the customers' home page. The event console shall consist at a minimum of:
 - Customer logo
 - URL to help page
 - Enlarge screen button
 - Download presentation button
 - Player controls
- Unicast with multiple bit-rate streaming up to 384K minimum
- Multicast streaming support up to 384K minimum
- Pretest up to 30 minutes
- Assemble, edit and archive live event webcast per customer requirements
- 90 day hosting and secure archiving
- ICDN (Internet Content Delivery Network) Performance Statistics shall consist at a minimum of:

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- IP address/port number of session
- Connection speed
- Total length of session
- Initial connect time to viewing
- Number of re-buffer occurrences
- Total number of frames sent
- Media player used

2. Premium Live Streaming Video Service Package

The bidder shall offer a Premium Live Streaming Video Package that shall consist of the Basic Live Streaming Video Package with the additional features at a minimum:

- Chaptering/indexing with dropdown control
- Coordination of delivery and incorporation of all customer provided presentation materials such as agenda, minutes, and power point presentations into synchronized video

3. Live Streaming Video Service Package Configurations

The bidder shall offer the Live Streaming Video Service Packages in the following configurations:

- 3.1 Basic video, two hours and 100 concurrent users
- 3.2 Basic video, two hours and 250 concurrent users
- 3.3 Basic video, two hours and 500 concurrent users
- 3.4 Basic video, four hours and 100 concurrent users
- 3.5 Basic video, four hours and 250 concurrent users
- 3.6 Basic video, four hours and 500 concurrent users
- 3.7 Basic video, eight hours and 100 concurrent users
- 3.8 Basic video, eight hours and 250 concurrent users
- 3.9 Basic video, eight hours and 500 concurrent users
- 3.10 Basic video, each additional hour, 100 concurrent users
- 3.11 Basic video, each additional hour, 250 concurrent users
- 3.12 Basic video, each additional hour, 500 concurrent users
- 3.13 Basic video, each additional concurrent user
- 3.14 Basic video, additional 90 days of hosting and secure archiving
- 3.15 Premium video, two hours and 100 concurrent users
- 3.16 Premium video, two hours and 250 concurrent users
- 3.17 Premium video, two hours and 500 concurrent users
- 3.18 Premium video, four hours and 100 concurrent users

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- 3.19 Premium video, four hours and 250 concurrent users
- 3.20 Premium video, four hours and 500 concurrent users
- 3.21 Premium video, eight hours and 100 concurrent users
- 3.22 Premium video, eight hours and 250 concurrent users
- 3.23 Premium video, eight hours and 500 concurrent users
- 3.24 Premium video, each additional hour, 100 concurrent users
- 3.25 Premium video, each additional hour, 250 concurrent users
- 3.26 Premium video, each additional hour, 500 concurrent users
- 3.27 Premium video, each additional concurrent user
- 3.28 Premium video, additional 90 days of hosting and secure archiving

4. Basic Live Streaming Audio Service Package

The bidder shall offer a Basic Live Streaming Audio Package that shall consist at a minimum of:

- Lobby page. The lobby page shall consist at a minimum of:
 - Customer logo
 - Event description
 - URL to a help page
 - Home re-direct URL
 - Player test for Windows Media and Real Media
- Registration page. The registration page shall consist at a minimum of:
 - Customer logo
 - Event description
 - E-mail notification with Outlook calendaring
 - Registration Statistics:
 - Viewer name
 - Viewer organization/Agency/Department
 - Location: address, city and state
 - User group: state or local government, public
 - E-mail address
- Event console. The event console shall be accessible from the customers' home page. The event console shall consist at a minimum of:
 - Customer logo
 - URL to help page
 - Enlarge screen button
 - Download presentation button
 - Player controls

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- Unicast with multiple bit-rate streaming
- Multicast streaming support
- Pretest up to 30 minutes
- Assemble, edit and archive live event webcast per customer requirements
- 90 day hosting and secure archiving
- ICDN Performance Statistics shall consist at a minimum of:
 - IP address/port number of session
 - Connection speed
 - Total length of session
 - Initial connect time to viewing
 - Number of re-buffer occurrences
 - Total number of frames sent
 - Media player used

5. Premium Live Streaming Audio Service Package

The bidder shall offer a Premium Live Streaming Audio Package that shall consist of the Basic Live Streaming Audio Package with the additional features at a minimum:

- Chaptering/indexing with dropdown control
- Coordination of delivery and incorporation of all customer provided presentation materials such as agenda, minutes, and power point presentations into synchronized audio

6. Live Streaming Audio Service Package Configurations

The bidder shall offer the Live Streaming Audio Service Packages in the following configurations:

- 6.1 Basic audio, two hours and 100 concurrent users
- 6.2 Basic audio, two hours and 250 concurrent users
- 6.3 Basic audio, two hours and 500 concurrent users
- 6.4 Basic audio, four hours and 100 concurrent users
- 6.5 Basic audio, four hours and 250 concurrent users
- 6.6 Basic audio, four hours and 500 concurrent users
- 6.7 Basic audio, eight hours and 100 concurrent users
- 6.8 Basic audio, eight hours and 250 concurrent users
- 6.9 Basic audio, eight hours and 500 concurrent users
- 6.10 Basic audio, each additional hour, 100 concurrent users
- 6.11 Basic audio, each additional hour, 250 concurrent users
- 6.12 Basic audio, each additional hour, 500 concurrent users

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- 6.13 Basic audio, each additional concurrent user
- 6.14 Basic audio, additional 90 days of hosting and secure archiving
- 6.15 Premium audio, two hours and 100 concurrent users
- 6.16 Premium audio, two hours and 250 concurrent users
- 6.17 Premium audio, two hours and 500 concurrent users
- 6.18 Premium audio, four hours and 100 concurrent users
- 6.19 Premium audio, four hours and 250 concurrent users
- 6.20 Premium audio, four hours and 500 concurrent users
- 6.21 Premium audio, eight hours and 100 concurrent users
- 6.22 Premium audio, eight hours and 250 concurrent users
- 6.23 Premium audio, eight hours and 500 concurrent users
- 6.24 Premium audio, each additional hour, 100 concurrent users
- 6.25 Premium audio, each additional hour, 250 concurrent users
- 6.26 Premium audio, each additional hour, 500 concurrent users
- 6.27 Premium audio, each additional concurrent user
- 6.28 Premium audio, additional 90 days of hosting and secure archiving

On-Demand Self-Published Streaming Video and Audio Hosting Services

Under these requirements, the customer will self-publish the event in Windows Media or Real Media format on CD or DVD media. This is identical to the previous requirement; however, the vendor would receive the assembled, edited and encoded video and/or audio presentation via upload or on CD, DVD or other media, for hosting and streaming on demand. This does not include a requirement for the vendor to provide a software application that allows the customer to publish the encoded media on the vendor's hosting servers. The vendor would still work with the customer in building the elements of the service package.

7. Basic On-Demand Self-Published Streaming Video Hosting Service Package

The bidder shall offer a Basic On-Demand Self-Published Streaming Video Hosting Service Package that shall consist of the following at a minimum:

- Lobby page. The lobby page shall consist at a minimum of:
 - Customer logo

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- Event description
 - URL to a help page
 - Home re-direct URL
 - Player test for Windows Media and Real Media
- Registration page. The registration page shall consist at a minimum of:
 - Customer logo
 - Event description
 - E-mail notification with Outlook calendaring
 - Registration Statistics shall consist at a minimum of:
 - Viewer name
 - Viewer organization/Agency/Department
 - Location: address, city and state
 - User group: state or local government, public
 - E-mail address
- Event console. The event console shall be accessible from the customers' home page. The event console shall consist at a minimum of:
 - Customer logo
 - URL to help page
 - Enlarge screen button
 - Download presentation button
 - Player controls
- Unicast with multiple bit-rate streaming up to 384K minimum
- Multicast streaming up to 384K minimum
- Pretest up to 30 minutes
- 90 day hosting and secure archiving
- ICDN Performance Statistics shall consist at a minimum of:
 - IP address/port number of session
 - Connection speed
 - Total length of session
 - Initial connect time to viewing
 - Number of re-buffer occurrences
 - Total number of frames sent
 - Media player used

8. Premium On-Demand Self-Published Streaming Video Hosting Service Package

The bidder shall offer a Premium On-Demand Self-Published Streaming Video Hosting Service Package that shall consist of the Basic On-Demand Self-Published Streaming Video Service Package with the additional features at a minimum:

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- Chaptering/indexing with dropdown control
- Coordination of delivery and incorporation of all customer provided presentation materials such as agenda, minutes, and power point presentations into synchronized video

9. On-Demand Self-Published Streaming Video Hosting Service Package Configurations

The bidder shall offer the On-Demand Self-Published Streaming Video Hosting Service Packages in the following configurations:

- 9.1 Basic video, first hour and 100 concurrent users
- 9.2 Basic video, first hour and 250 concurrent users
- 9.3 Basic video, first hour and 500 concurrent users
- 9.4 Basic video, each additional hour, 100 concurrent users
- 9.5 Basic video, each additional hour, 250 concurrent users
- 9.6 Basic video, each additional hour, 500 concurrent users
- 9.7 Basic video, each additional concurrent user
- 9.8 Basic video, additional 90 days of hosting and secure archiving
- 9.9 Premium video, first hour and 100 concurrent users
- 9.10 Premium video, first hour and 250 concurrent users
- 9.11 Premium video, first hour and 500 concurrent users
- 9.12 Premium video, each additional hour, 100 concurrent users
- 9.13 Premium video, each additional hour, 250 concurrent users
- 9.14 Premium video, each additional hour, 500 concurrent users
- 9.15 Premium video, each additional concurrent user
- 9.16 Premium video, additional 90 days of hosting and secure archiving

10. Basic On-Demand Self-Published Streaming Audio Hosting Service Package

The bidder shall offer a Basic On-Demand Self-Published Streaming Audio Hosting Service Package that shall consist at a minimum of:

- Lobby page. The lobby page shall consist at a minimum of:
 - Customer logo
 - Event description
 - URL to a help page
 - Home re-direct URL

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- Player test for Windows Media and Real Media
- Registration page. The registration page shall consist at a minimum of:
 - Customer logo
 - Event description
 - E-mail notification with Outlook calendaring
 - Registration Statistics shall consist at a minimum of:
 - Viewer name
 - Viewer organization/Agency/Department
 - Location: address, city and state
 - User group: state or local government, public
 - E-mail address
- Event console. The event console shall be accessible from the customers' home page. The event console shall consist at a minimum of:
 - Customer logo
 - URL to help page
 - Enlarge screen button
 - Download presentation button
 - Player controls
- Unicast with multiple bit-rate streaming
- Multicast support
- Pretest up to 30 minutes
- 90 day hosting and secure archiving
- ICDN Performance Statistics shall consist at a minimum of:
 - IP address/port number of session
 - Connection speed
 - Total length of session
 - Initial connect time to viewing
 - Number of re-buffer occurrences
 - Total number of frames sent
 - Media player used

11. Premium On-Demand Self-Published Streaming Audio Hosting Service Package

The bidder shall offer a Premium On-Demand Self-Published Streaming Audio Hosting Service Package that shall consist of the Basic On-Demand Self-Published Streaming Audio Digital Service Package with the additional features at a minimum:

- Chaptering/indexing with dropdown control

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- Coordination of delivery and incorporation of all customer provided presentation materials such as agenda, minutes, and power point presentations into synchronized video

12. On-Demand Self-Published Streaming Audio Hosting Service Packages Configurations

The bidder shall offer the On-Demand Self-Published Streaming Audio Hosting Service Packages in the following configurations:

- 12.1 Basic audio, first hour and 100 concurrent users
- 12.2 Basic audio, first hour and 250 concurrent users
- 12.3 Basic audio, first hour and 500 concurrent users
- 12.4 Basic audio, each additional hour, 100 concurrent users
- 12.5 Basic audio, each additional hour, 250 concurrent users
- 12.6 Basic audio, each additional hour, 500 concurrent users
- 12.7 Basic audio, each additional concurrent user
- 12.8 Basic audio, additional 90 days of hosting and secure archiving
- 12.9 Premium audio, first hour and 100 concurrent users
- 12.10 Premium audio, first hour and 250 concurrent users
- 12.11 Premium audio, first hour and 500 concurrent users
- 12.12 Premium audio, each additional hour, 100 concurrent users
- 12.13 Premium audio, each additional hour, 250 concurrent users
- 12.14 Premium audio, each additional hour, 500 concurrent users
- 12.15 Premium audio, each additional concurrent user
- 12.16 Premium audio, additional 90 days of hosting and secure archiving

On-Demand Bidder-Assisted Streaming Video and Audio Hosting Services

Under this requirement, the customer will provide the bidder, the raw video and/or audio footage or other media/content associated with an event, and the bidder will encode, assemble, edit and host the resulting presentation as directed by the customer.

13. Basic On-Demand Bidder-Assisted Streaming Video Hosting Services Package

The bidder shall offer a Basic On-Demand Bidder-Assisted Streaming Video Hosting Service Package that shall consist of the following at a minimum:

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- Lobby page. The lobby page shall consist at a minimum of:
 - Customer logo
 - Event description
 - URL to a help page
 - Home re-direct URL
 - Player test for Windows Media and Real Media
- Registration page. The registration page shall consist at a minimum of:
 - Customer logo
 - Event description
 - E-mail notification with Outlook calendaring
 - Registration Statistics shall consist at a minimum of:
 - Viewer name
 - Viewer organization/Agency/Department
 - Location: address, city and state
 - User group: state or local government, public
 - E-mail address
- Event console. The event console shall be accessible from the customers' home page. The event console shall consist at a minimum of:
 - Customer logo
 - URL to help page
 - Enlarge screen button
 - Download presentation button
 - Player controls
- Unicast with multiple bit-rate streaming up to 384K minimum
- Multicast streaming up to 384K minimum
- Pretest up to 30 minutes
- Assemble, edit and archive live event webcast per customer requirements
- 90 day hosting and secure archiving
- ICDN Performance Statistics shall consist at a minimum of:
 - IP address/port number of session
 - Connection speed
 - Total length of session
 - Initial connect time to viewing
 - Number of re-buffer occurrences
 - Total number of frames sent
 - Media player used

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14. Premium On-Demand Bidder-Assisted Streaming Video Hosting Service Package

The bidder shall offer a Premium On-Demand Bidder-Assisted Streaming Video Hosting Service Package that shall consist of the Basic On-Demand Bidder-Assisted Streaming Video Service Package with the additional features at a minimum:

- Chaptering/indexing with dropdown control
- Coordination of delivery and incorporation of all customer provided presentation materials such as agenda, minutes, and power point presentations into synchronized video

15. On-Demand Bidder-Assisted Streaming Video Hosting Service Packages Configurations

The bidder shall offer the On-Demand Bidder-Assisted Streaming Video Hosting Service Packages in the following configurations:

- 15.1 Basic video, first hour and 100 concurrent users
- 15.2 Basic video, first hour and 250 concurrent users
- 15.3 Basic video, first hour and 500 concurrent users
- 15.4 Basic video, each additional hour, 100 concurrent users
- 15.5 Basic video, each additional hour, 250 concurrent users
- 15.6 Basic video, each additional hour, 500 concurrent users
- 15.7 Basic video, each additional concurrent user
- 15.8 Basic video, additional 90 days of hosting and secure archiving
- 15.9 Premium video, first hour and 100 concurrent users
- 15.10 Premium video, first hour and 250 concurrent users
- 15.11 Premium video, first hour and 500 concurrent users
- 15.12 Premium video, each additional hour, 100 concurrent users
- 15.13 Premium video, each additional hour, 250 concurrent users
- 15.14 Premium video, each additional hour, 500 concurrent users
- 15.15 Premium video, each additional concurrent user
- 15.16 Premium video, additional 90 days of hosting and secure archiving

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16. Basic On-Demand Bidder-Assisted Streaming Audio Hosting Service Package

The bidder shall offer a Basic On-Demand Bidder-Assisted Streaming Audio Hosting Service Package that shall consist at a minimum of:

- Lobby page. The lobby page shall consist at a minimum of:
 - Customer logo
 - Event description
 - E-mail notification with Outlook calendaring
 - URL to a help page
 - Home re-direct URL
 - Player test for Windows Media and Real Media
- Registration page. The registration page shall consist at a minimum of:
 - Customer logo
 - Event description
 - Registration Statistics shall consist at a minimum of:
 - Viewer name
 - Viewer organization/Agency/Department
 - Location: address, city and state
 - User group: state or local government, public
 - E-mail address
- Event console. The event console shall be accessible from the customers' home page. The event console shall consist at a minimum of:
 - Customer logo
 - URL to help page
 - Enlarge screen button
 - Download presentation button
 - Player controls
- Unicast with multiple bit-rate streaming
- Multicast streaming support
- Pretest up to 30 minutes
- Assemble, edit and archive live event webcast per customer requirements
- 90 day hosting and secure archiving
- ICDN Performance Statistics shall consist at a minimum of:
 - IP address/port number of session
 - Connection speed
 - Total length of session
 - Initial connect time to viewing

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- Number of re-buffer occurrences
- Total number of frames sent
- Media player used

17. Premium On-Demand Bidder-Assisted Streaming Audio Hosting Service Package

The bidder shall offer a Premium On-Demand Bidder-Assisted Streaming Audio Hosting Service Package that shall consist of the Basic On-Demand Bidder-Assisted Streaming Audio Hosting Service Package with the additional features at a minimum:

- Chaptering/indexing with dropdown control
- Coordination of delivery and incorporation of all customer provided presentation materials such as agenda, minutes, and power point presentations into synchronized video

18. On-Demand Bidder-Assisted Streaming Audio Hosting Service Packages Configurations

The bidder shall offer the On-Demand Bidder-Assisted Streaming Audio Hosting Service Packages in the following configurations:

- 18.1 Basic audio, first hour and 100 concurrent users
- 18.2 Basic audio, first hour and 250 concurrent users
- 18.3 Basic audio, first hour and 500 concurrent users
- 18.4 Basic audio, each additional hour, 100 concurrent users
- 18.5 Basic audio, each additional hour, 250 concurrent users
- 18.6 Basic audio, each additional hour, 500 concurrent users
- 18.7 Basic audio, each additional concurrent user
- 18.8 Basic audio, additional 90 days of hosting and secure archiving
- 18.9 Premium audio, first hour and 100 concurrent users
- 18.10 Premium audio, first hour and 250 concurrent users
- 18.11 Premium audio, first hour and 500 concurrent users
- 18.12 Premium audio, each additional hour, 100 concurrent users
- 18.13 Premium audio, each additional hour, 250 concurrent users
- 18.14 Premium audio, each additional hour, 500 concurrent users
- 18.15 Premium audio, each additional concurrent user
- 18.16 Premium audio, additional 90 days of hosting and secure archiving

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A.2 Other Mandatory Services

Below are additional services the State of California has determined will be necessary to complement the requirements listed for the above Service Packages (Mandatory Requirements numbers 1 through 18) in order to provide customers all the services they need to provide live streaming or on-demand webcast events.

19. Event Planning and Production Service

19.1 The bidder shall provide Video webcast event planning and production that consists at a minimum of:

- All activities required to produce a video webcast statewide
- Provide, setup and operate the cameras, lighting, microphones, mixers and recording capability
- Project management

19.2 The bidder shall provide Audio webcast event planning and production that consists at a minimum of:

- All activities required to produce an audio webcast statewide
- Provide, setup and operate the lighting, microphones, mixers and recording capability
- Project management

19.3 The bidder shall provide an event planning and production crew member.

19.4 The bidder shall provide additional customization and branding for lobby/event/registration pages.

20. Resource Provisioning and Operation Service

20.1 The bidder shall offer a Resource Provisioning and Operation Service for video and audio streaming events which includes providing all necessary additional video, audio and webcast equipment as required to support the needs of meeting room and webcast production. Equipment provided shall be commercial "production quality" unless otherwise specified.

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20.2 The bidder shall provide 1 camera, 2 crew, with capture to permanent media – first day up to eight hours.

20.3 The bidder shall provide 2 cameras, 3 crew, with capture to permanent media – first day up to eight hours.

20.4 The bidder shall provide 3 cameras, 4 crew, with capture to permanent media – first day up to eight hours.

20.5 The bidder shall provide 1 camera, 2 crew, with capture to permanent media – each additional day.

20.6 The bidder shall provide 2 cameras, 3 crew, with capture to permanent media – each additional day.

20.7 The bidder shall provide 3 cameras, 4 crew, with capture to permanent media – each additional day.

20.8 The bidder shall provide audio equipment with technician – first day, up to eight hours.

- The bidder shall provide, at a minimum, equipment needed to capture, acquire and record an 8-participant meeting, outputted to either encoder or audio conference bridge.

20.9 The bidder shall provide audio equipment with technician – each additional day.

- The bidder shall provide, at a minimum, equipment needed to capture, acquire and record an 8-participant meeting, outputted to either encoder or audio conference bridge.

20.10 The bidder shall provide audio equipment for each additional participant outputted to encoder or audio conference bridge.

21. Basic Signal Capture Service

21.1 Basic Signal Capture Service

The bidder shall offer a Signal Capture Service for capturing audio and video signal interfaces and formats from users or bidder-provided equipment. The bidder shall support a minimum of one interface.

The bidder shall indicate the interfaces supported by the Signal Capture Service by marking “Yes” or “No” for each interface type

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listed below. Indicate a "B" in the "Yes" column for any interface included in the Basic Signal Capture Service.

21.2	RCA Audio	Yes ____	No__
21.3	Standard and Mini-Phone	Yes ____	No__
21.4	XLR	Yes ____	No__
21.5	AES/EBU	Yes ____	No__
21.6	SPDIF	Yes ____	No__
21.7	BNC/TNC	Yes ____	No__
21.8	F Type	Yes ____	No__
21.9	WECa Patch	Yes ____	No__
21.10	HDMI	Yes ____	No__
21.11	IEEE 1394	Yes ____	No__
21.12	RGBHV	Yes ____	No__
21.13	RGBS	Yes ____	No__
21.14	Component video	Yes ____	No__
21.15	Composite video	Yes ____	No__
21.16	S-video	Yes ____	No__
21.17	Other (specify)_____	Yes ____	No__

22. Basic Onsite Audio/Video Stream Encoding Service

22.1 Basic On-Site Audio/Video Stream Encoding Service

The bidder shall offer an On-Site Audio/Video Stream Encoding Service including setup support at a minimum. The bidder shall support the following format types:

- Windows Media
- Real Media

The bidder shall indicate optional format types supported by the Onsite Audio/Video Stream Encoding Service by marking "Yes" or "No" for each format type listed below:

22.2	Quicktime	Yes____	No ____
22.3	MP4	Yes ____	No ____
22.4	Flash	Yes____	No ____

23. Basic Remote Audio/Video Encoding Service

23.1 Basic Remote Audio/Video Encoding Service

The bidder shall offer a Remote Audio/Video Encoding Service including setup support at a minimum. The bidder shall support the following format types;

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- Windows Media
- Real Media

The bidder shall indicate optional format types supported by the Remote Audio/Video Encoding Service by marking "Yes" or "No" for each format types listed below:

23.2	Quicktime	Yes _____	No _____
23.3	MP4	Yes _____	No _____
23.4	Flash	Yes _____	No _____

24. Basic Compression/Signal Conversion Service

24.1 Basic Compression/Signal Conversion Service

The bidder shall offer a Compression/Signal Conversion Service that supports conversion between multiple encoding format. The bidder shall support a minimum of two encoding formats.

The bidder shall indicate the formats supported by marking "Yes" or "No" for each of the optional formats listed below. Indicate a "B" in the "Yes" column for the two encoding formats included in the Basic Compression/Signal Conversion Service.

24.2	MPEG-1	Yes _____	No _____
24.3	MPEG-2	Yes _____	No _____
24.4	DV	Yes _____	No _____
24.5	M-JPEG	Yes _____	No _____
24.6	H.263	Yes _____	No _____
24.7	H.264/AVC	Yes _____	No _____
24.8	MPEG-4	Yes _____	No _____
24.9	AVI	Yes _____	No _____
24.10	VC-1	Yes _____	No _____
24.11	WAV	Yes _____	No _____
24.12	WMA	Yes _____	No _____
24.13	WMV	Yes _____	No _____
24.14	Dolby Digital AC-3	Yes _____	No _____
24.15	MP3	Yes _____	No _____
24.16	AAC	Yes _____	No _____
24.17	HE-AAC	Yes _____	No _____
24.18	G729ab	Yes _____	No _____
24.19	G.711	Yes _____	No _____
24.20	G.726	Yes _____	No _____

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24.21 QCELP	Yes <input type="checkbox"/>	No <input type="checkbox"/>
24.22 AMBE	Yes <input type="checkbox"/>	No <input type="checkbox"/>

25. Near Real Time Editing Service

25.1 The bidder shall offer a Near Real Time Editing Service that includes the initial authoring and incorporation of live media into user interface, live video insertion of "Closed Caption" or on-screen display content, combining and synchronizing presentation materials and other rich media preferably into MPEG-4 compatible or similar streaming format.

25.2 The bidder shall provide Near Real Time Editing Service for video editing.

25.3 The bidder shall provide Near Real Time Editing Service for audio editing.

26. Internet Content Delivery Network (ICDN) Service

The bidder shall provide, without extra charge, an Internet Content Delivery Network (ICDN) Service for the delivery of streaming video/audio media to the bidder's "edge" network or last Point of Presence.

27. Post-Production Editing Service

The bidder shall offer a Post-Production Editing Service that shall consist at a minimum of:

- the deletion of extraneous material
- insertion of post-production documents such as written transcript
- indexing and chaptering to such as Roberts Rules of Order
- motions and voting
- meeting agenda

The bidder shall provide Meta data insertion in accordance with MPEG-7 type framework.

The bidder shall support the following formats/standards:

- Windows Media
- Real Media

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28. Help Desk Support

The bidder shall offer Help Desk Support Service that shall consist at a minimum of:

28.1 Telephone help desk support from 0800-1700, Monday – Friday Pacific Time.

28.2 Help desk support outside the hours of 0800-1700, Monday – Friday.

29. Archiving to Moveable Media Service

29.1 Basic Archiving to Moveable Media Service

The bidder must offer an Archiving to Moveable Media Service as a means for users to obtain a fully functional “off-line” copy of a specific webcast event for backup or for users without access to the internet.

The bidder shall indicate the moveable media supported by marking “Yes” or “No” for each of the media types below:

29.2 Audio CD	Yes _____	No _____
29.3 Data CD	Yes _____	No _____
29.4 DVD	Yes _____	No _____
29.5 VCD	Yes _____	No _____
29.6 Video DVD	Yes _____	No _____

B. DESIRABLE REQUIREMENTS

Listed below are desirable requirements the State of California has determined would be valuable additional services in support of the client's event. Bidders are under no obligation to offer these services. However, if the service is offered by the bidder, the bidder shall comply with the requirements of the service where indicated. The State, at its sole discretion, will determine which, if any, of the desirable requirements shall be included in the contract.

30. Satellite, Broadcast Auxillary Service (BAS) Radio Link, or Studio Transmission Link (STL) Service

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30.1 Basic Satellite, BAS Radio Link, or STL Service

The bidder may offer a temporary Satellite, BAS Radio Link, or STL Service for signal acquisition of encoded signal to webcast hosting site for the specific event utilizing the webcast service.

If the bidder is offering the Basic Satellite, BAS Radio Link, or STL Service, the bidder shall indicate the link services supported by marking "Yes" or "No" for each of the link services listed below:

30.2 SNG truck with downlink	YES_____NO_____
30.3 SNG truck with uplink	YES_____NO_____
30.4 STL truck	YES_____NO_____
30.5 BAS Radio Link	YES_____NO_____
30.6 Transponder time – analog	YES_____NO_____
30.7 Transponder time – digital	YES_____NO_____

31. Hosted Copy of Unedited Live Feed Service

31.1 The bidder may offer a Hosted Copy of Unedited Live Feed Service that creates a "clean" copy of the live encoded audio or video event prior to editing or content insertion for backup or "legal record."

31.2 If the bidder is offering the Hosted Copy of the Unedited Live Feed Service, the bidder shall provide hosting at the bidder's site for a minimum of ninety (90) days and provide the customer with an unedited copy when requested.

32. Secure Streaming Service

The bidder may offer a Secure Streaming Service in both variable rate unicast and multicast modes.

33. Digital Asset Management (DAM) Service

The bidder may offer a Digital Asset Management Service that will provide a means by which to search "on-demand" storage activities using a variety of keywords or other techniques to find specific media clips or references. List below the encoded stream types you support.

34. Transcription/Translation Service

34.1 The bidder may offer a Transcription/Translation Service for creation of a written transcript of the event audio. If the bidder is

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offering Transcription/Translation Service, the bidder shall offer it for both English and Spanish.

34.2 If the bidder is offering the Transcription/Translation Service, the bidder shall provide the Transcription/Translation Service within three (3) business days of the event.

35. Enhanced Performance Data Service

35.1 Enhanced Performance Data Service

The bidder may offer an Enhanced Performance Data Service for a PC-based end-to-end user client to measure webcast performance and viewing statistics.

If the bidder is offering Enhanced Performance Data Service, the bidder shall indicate the statistics provided by marking "Yes" or "No" for each of the statistic types below:

- | | | |
|-------|---|--------------|
| 35.2 | Initial connection time | Yes___ No___ |
| 35.3 | Redirection sites and number of redirections | Yes___ No___ |
| 35.4 | Initial buffering time | Yes___ No___ |
| 35.5 | Number of rebuffers and rebuffering time spent | Yes___ No___ |
| 35.6 | Video and audio packet information, including but not limited to: | Yes___ No___ |
| | <ul style="list-style-type: none"> • Normal • Lost • Late • Recovered | |
| 35.7 | Average frames per second | Yes___ No___ |
| 35.8 | Lost frames | Yes___ No___ |
| 35.9 | Dropped frames | Yes___ No___ |
| 35.10 | Number of frames sent | Yes___ No___ |
| 35.11 | Number of frames received | Yes___ No___ |
| 35.12 | Video and audio bandwidth, including but not limited to: | Yes___ No___ |
| | <ul style="list-style-type: none"> • Average • Maximum • Minimum | |
| 35.13 | Encoded bandwidth | Yes___ No___ |
| 35.14 | Codecs used to encode clip | Yes___ No___ |
| 35.15 | Hosted probes provided traceroutes | Yes___ No___ |
| 35.16 | DNS time | Yes___ No___ |
| 35.17 | Connection success rate | Yes___ No___ |

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36. Closed Captioning Service

The bidder may offer a Closed Captioning Service that acquires live audio from a webcast event and generates live "closed caption" text for insertion into live webcast broadcasts. If the bidder is offering the Closed Captioning Service, the bidder shall offer Closed Captioning Service compliant with the American with Disabilities Act (ADA) or Section 508 of the Federal Acquisition Regulations.

37. Basic Interactive Services

37.1 Basic Interactive Services

The bidder may offer Interactive Services that include providing a limited number of interactive elements for review by the webcast presenters.

If the bidder is offering the Basic Interactive Services, the bidder shall identify the interactive elements supported by marking "Yes" or "No" for each of the elements below:

- | | |
|---|------------------|
| 37.2 IM (instant messaging) / Chat | Yes ____ No ____ |
| 37.3 Viewer polling | Yes ____ No ____ |
| 37.4 E-mail capability for review by webcast presenters | Yes ____ No ____ |
| 37.5 Answers to interactive elements, which may include but not be limited to: Q&A, Polling and IM transcript | Yes ____ No ____ |

38. Teleprompter Service

The bidder may offer a Teleprompter Service for teleprompter capability for the event.

39. Video/Audio Backup of Live Event On-Site Service

39.1 Basic Video/Audio Backup of Live Event On-site Service

The bidder may offer either a Video and/or Audio Backup of Live Event On-Site Service supporting various formats.

If the bidder is offering the Basic Video/Audio Backup of Live Event On-Site Service, the bidder shall indicate the formats supported by marking "Yes" or "No" for each of the formats listed below:

- | | |
|--|------------------|
| 39.2 Standard and micro audio cassette | Yes ____ No ____ |
|--|------------------|

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39.3	Audio CD	Yes ____	No__
39.4	DAT	Yes ____	No__
39.5	ADAT	Yes ____	No__
39.6	DVCAM	Yes ____	No__
39.7	DVCPRO	Yes ____	No__
39.8	Betacam SP	Yes ____	No__
39.9	Digital Betacam	Yes ____	No__
39.10	S-VHS	Yes ____	No__
39.11	VCD/Video DVD	Yes ____	No__
39.12	Other _____	Yes ____	No__

40. Portable DSNG/DENG Units Service

The bidder may offer a Portable DSNG/DENG Units Service to provide portable DSNG/DENG Units. If the bidder is offering the Portable DSNG/DENG Units Service, the bidder shall provide DSNG/DENG Units compatible with the following at a minimum:

- Tandberg Tactical
- Scott Mobile Ruggedized
- 7E Systems "Talking Head" TH2

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C. OPTIONAL BIDDER-PROPOSED FEATURES AND SERVICES

Bidders are encouraged to propose optional additional adjunct features and services that the bidder believes would add value to the mandatory and desirable requirements identified above which would enhance the State's ability to deliver quality webcast events. The State, at its sole discretion, will determine which, if any, of the additional adjunct features and services shall be included in the contract.